

NOTICE

"The purchaser agrees when purchasing this plan (the "Plan"), 1) the purchaser has acquired the right to build or construct the object or project set out in the Plan (the "Project") for his/her/its personal use only and not for any commercial use, 2) reproduction of the Plan in whole or in part by any means whatsoever is strictly prohibited, 3) Blueprints for the Handyman shall not be liable for any willful misuse of negligent use of this plan, the Project or any tools used to construct the Project or for any loss or damage resulting therefrom."

NOTE: Read all directions before beginning

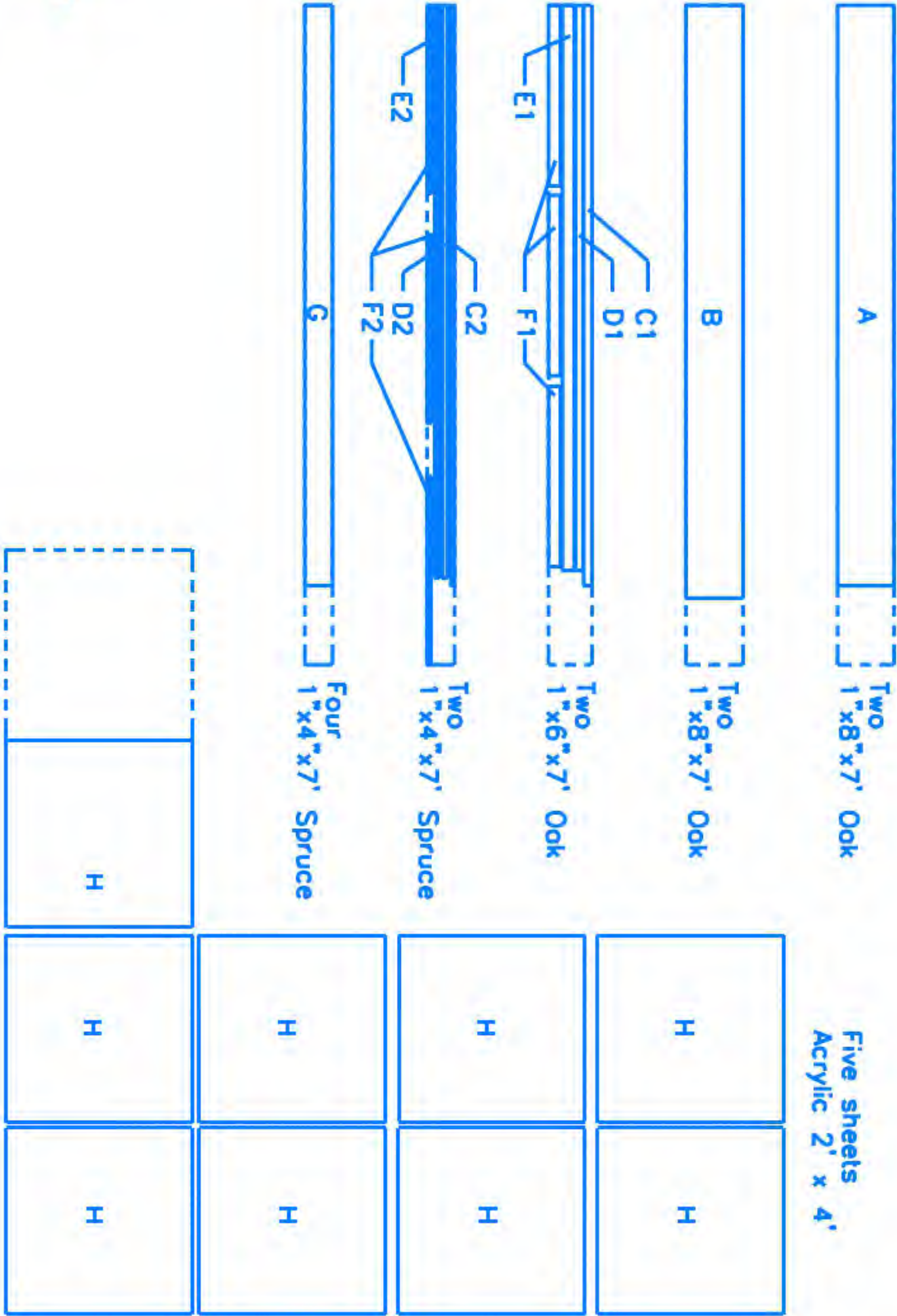
Carpenters Glue should be used to reinforce all joints  
Set all nails and countersink all screws  
Dimensions in brackets denote millimeters

Directions

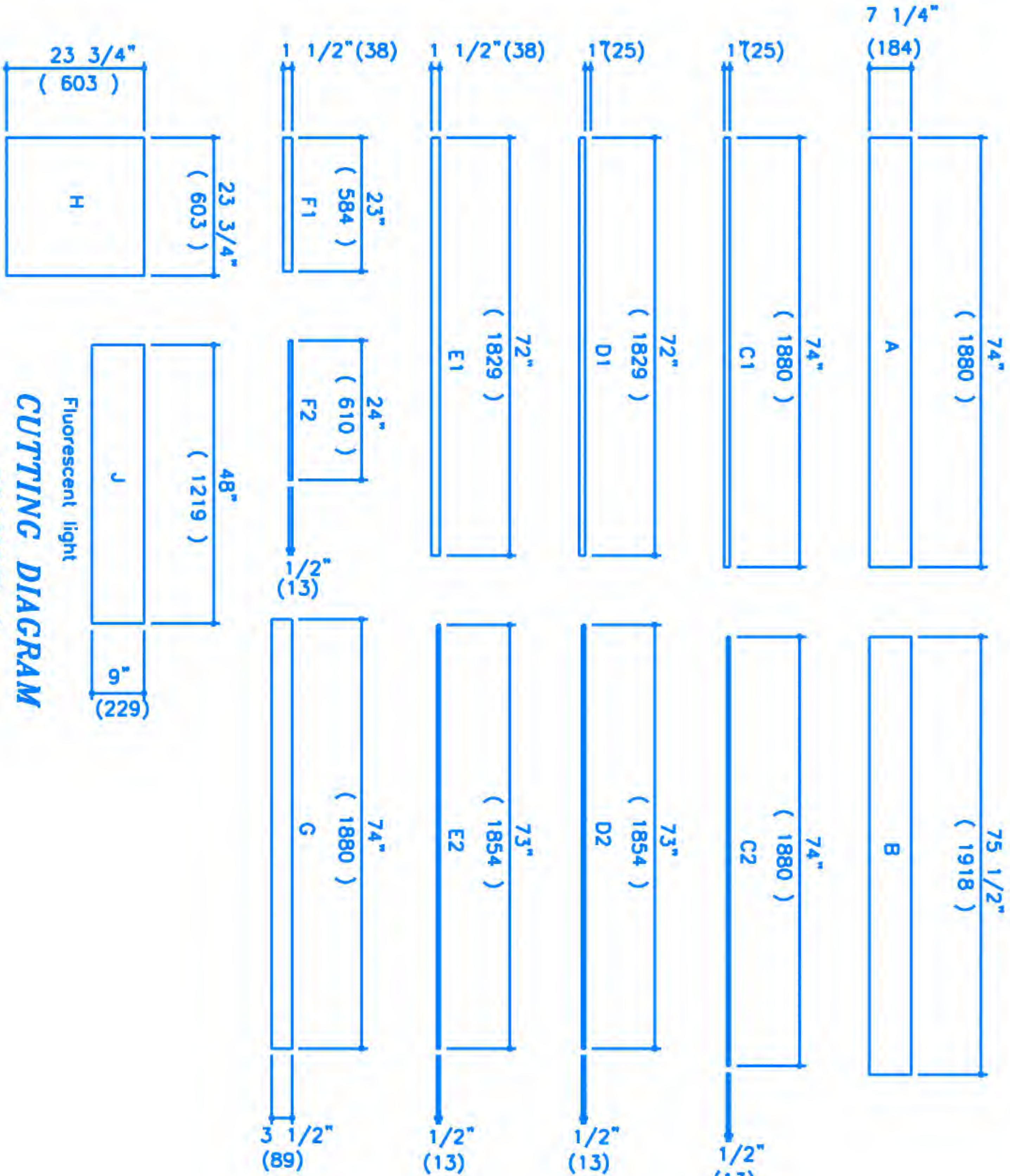
- 1) Lay out your material as outlined in the suggested materials layout (Fig 1). Draw out all parts exactly as illustrated in the cutting diagram (Fig 2), including the letter designations, in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all measurements to ensure that they are correct. Always cut on the waste side of the line.
- 2) Pre-drill two 1/8" pilot holes in each end of pieces B as shown in Fig 3. Countersink with a 3/8" bit, 3/8" deep. Drill a 1/8" pilot hole through the holes in pieces B into the edges of pieces A, about 1" deep (Fig 3). Glue and screw pieces B to pieces A using eight 1 1/2" #8 flothead screws, two in each corner. Glue buttons into pieces B countersinks. Square the assembly and allow to dry.
- 3) Pre-drill pieces C2 through the 1/2" edge using a 1/16" bit. Drill near each edge and every 8" in between. Keeping C2 on it's 1/2" edge, glue and nail pieces C2 to pieces C1, keeping the edges flush, using 1 1/4" finishing nails (see Fig 4). Pre-drill ten more 1/16" holes through the 3/4" face in each piece C2. Glue and nail C1C2 assembly to pieces A, 1/2" up from the bottom edges of pieces A using 1 1/4" finishing nails (Fig 5). Pre-drill pieces D2, through the 1/2" edge using a 1/16" bit. Drill near each edge and every 8" in between. Keeping D2 on it's 1/2" edge, glue and nail pieces D2 to pieces D1, keeping the rear edges flush, and with a 1/2" overlap of D2 on each end of D1 using 1 1/4" finishing nails see (Fig 6). Pre-drill ten more 1/16" holes through the 3/4" face of pieces D2. Glue and nail D1D2 assembly to pieces B, 1/2" up from the bottom edge of pieces B using 1 1/4" finishing nails ten per D1D2 assembly. Note that the overlap on D2 will fit on top of C1. Pre-drill pieces E2, through the 1/2" edge using a 1/16" bit. Drill 1" from each end and every 8" in between. Keeping E2 on it's 1/2" edge, glue and nail pieces E2 to pieces E1, keeping E2 centered on E1 using 1 1/4" finishing nails (see Fig 7). Pre-drill a 1/16" hole through the center of the overhang on each piece E2 near the ends of pieces E2. Note these holes will be used for locking pieces E2 into place. Place E1E2 assemblies on the C1C2 assemblies with pieces E2 overhanging top of pieces C1. Measure 24" between the bottom edge of piece D1 along C1. Nail E2 through the pilot hole to C1 using a 1 finishing nail at this location. Repeat for remaining E1E2 assemblies. Measure in 24" from the end of piece E2. Install eye screws (Fig 9). Repeat for the other three ends of pieces E2. Pre-drill pieces F2, through the 1/2" edge using a 1/16" bit. Drill 1" from each end and every 8" in between. Keeping F2 on it's 1/2" edge, glue and nail pieces F2 to pieces F1, keeping F2 centered on F1 (1/2" on both sides of F1) and on 1/2" overlap of F2 on each end of F1 using 1 1/4" finishing nails (Fig 8). Place the F1F2 assemblies loosely on the D and E assemblies as shown in (Fig 9), once ceiling is installed. Mount pieces G flush with the top of assembly ABAB (Fig 9 & 10) with sixteen 1 1/2"x1 1/2" metal angle brackets using sixty four 3/4" flothead screws, four each bracket. The outside pieces G mount tight to B with on angle attached to each end of G and two angles spaced 24" from ends of G on sides adjacent to B. The middle pieces G fasten to pieces A with two angle brackets on each end of G and screwed in A, pieces G are centered 25 1/2" in from B.

OVER

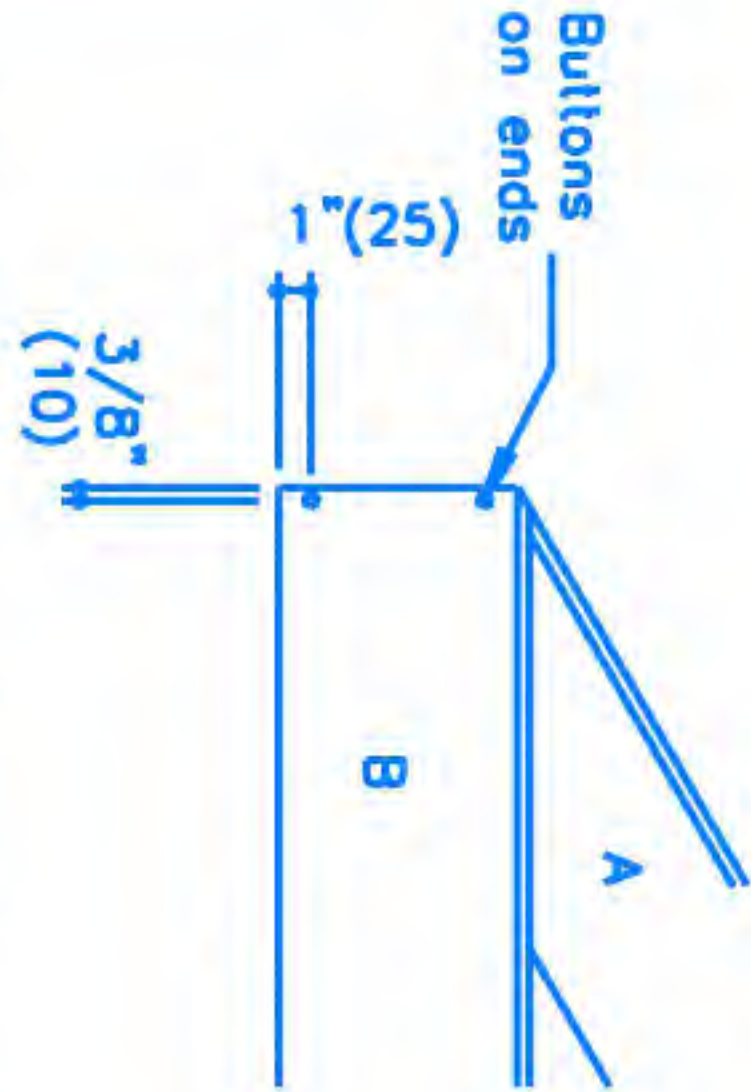
75 1/2" X 75 1/2" SUNSHINE CEILING



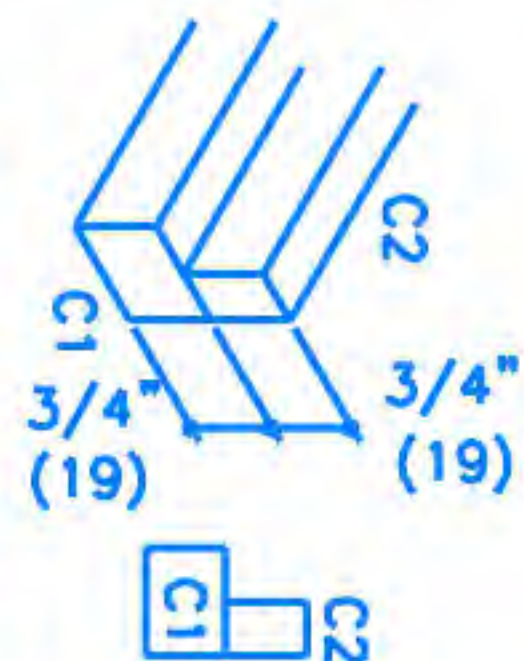
MATERIALS LAYOUT  
FIGURE 1



CUTTING DIAGRAM  
FIGURE 2



SCREW AND BUTTON DETAIL  
FIGURE 3



COMPONENT C  
FIGURE 4

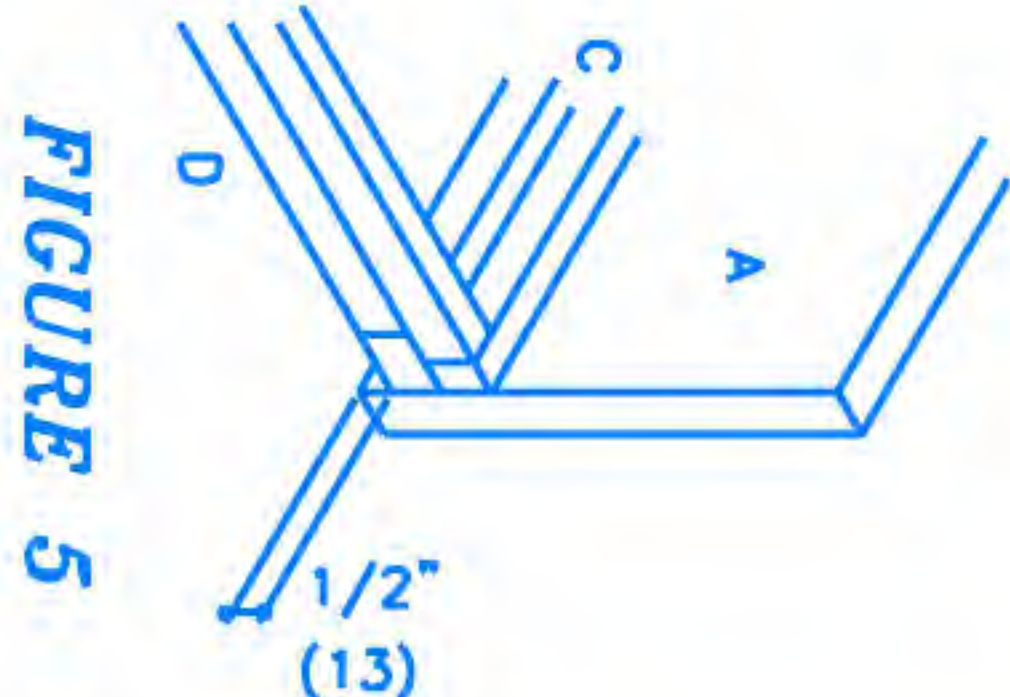
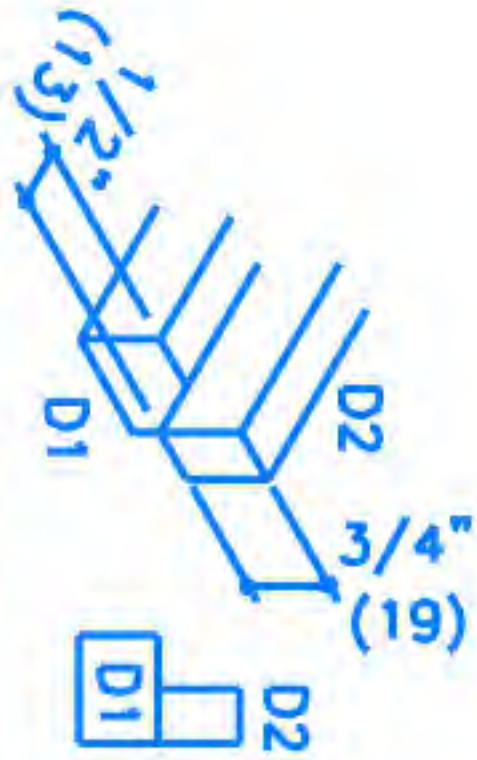


FIGURE 5



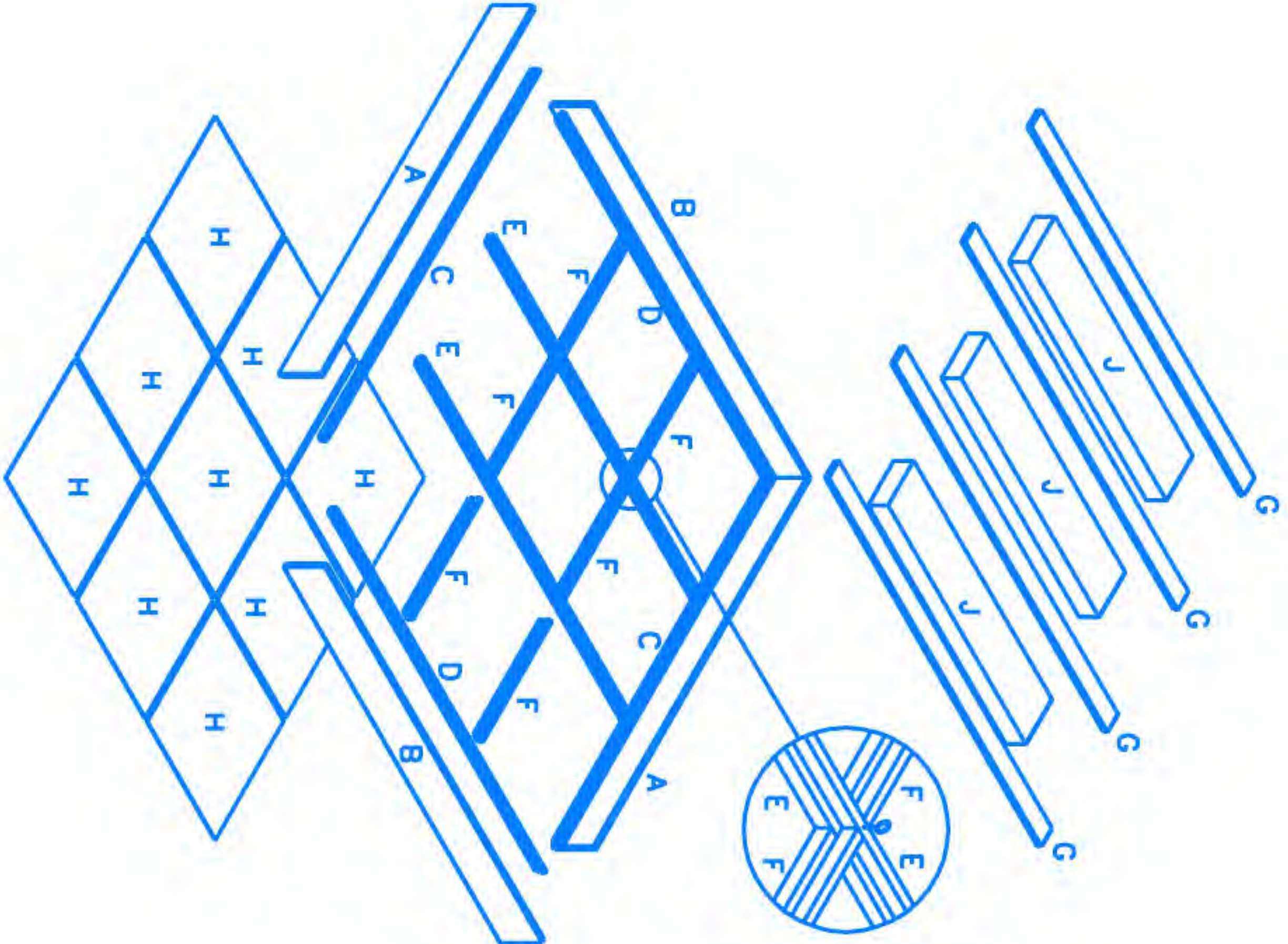
COMPONENT D  
FIGURE 6



COMPONENT E  
FIGURE 7



COMPONENT F  
FIGURE 8



EXPLODED VIEW  
FIGURE 9

MATERIALS LIST (75-1/2" X 75-1/2")

- Six 1"x4"x7' (3/4"x3-1/2"x7') softwood
- Two 1"x6"x7' (3/4"x3-1/2"x7') hardwood
- Four 1"x8"x7' (3/4"x7-1/2"x7') hardwood
- Eight 3/8" diameter wood buttons
- Approx. 1/2 lb. 3/4" finish nails
- Approx. 1/2 lb. 1-1/4" finishing nails
- Approx. ten 1-1/2" #8 flothead screws
- Approx. 1/2 lb. 1" finishing nails

MATERIALS LIST (75-1/2" X 75-1/2")

- Approx. Twenty Four 3" #8 flothead screws
- Nine 23-3/4"x23-3/4"x1/8" pieces acrylic
- Stain, oil, varnish or glossy white paint
- Three 4" fluorescent fixtures
- Sandpaper
- Carpenters glue
- Eight eye screws
- Twenty 1-1/2"x1-1/2" metal angle brackets